G71V-7T048G Notebook PC

Let's Game

2-Spindle, Montevina
17" WUXGA (FULL HD) TFT
Mobile Gaming

Specifications

Processor & Cache
- Intel Quad Core QX9300 with 12MB On-Die L2 Cache. FSB=1066Mz

BIOS
- AMI BIOS code
- 8Mb Flash EPROM
- PMU, Plug & Play
- Boot from USB, LAN, Ai-Flash 3,Ai-Flash 4, Ai-Flash 5

Chipset
- Intel® PM45 1067 MHz FSB +ICH9M-Enhanced

Main Memory
- 4096MB(2048x2) DDRIII 1333
- Dual Channel DDR3 DRAM support

Display
- 17" active matrix color TFT
- 17" WUXGA
- Dual Channel LVDS I/F

Graphics & Video Module
- NVDIA GeForce 9700M GT, with GDDR3 512MB VRAM
- MXM Connector
- DX10.1 Support
- H.264/VC-1 Hardware decoding
- HDCP support

ASUS Direct Messenger
- **2nd display by OLED module, support resolution 256X64, single color 3.1".**
- **Support by ASUS Direct Console 2.0 S/W Apps.**

CRT Display Modes
- VGA 640 x 480, 256/32K/64K/16.7M colors
- SVGA 800 x 600 256/32K/64K/16.7M colors
- XGA 1024 x 768 256/32K/64K/16.7M colors
- SXGA 1280 x 1024 256/32K/64K/16.7M colors
- UXGA 1600x1200 256/32K/64K/16.7M colors

PC Cards Slot
- New Card Supported
- One built-in **Eight** in one card reader support
- MMC/ SD/ Mini-SD/ XD/ Memory Stick/ MS Pro/ MS-Duo/ MS-Pro-Duo ,support push/push

Hard Disk Drive
- 12.5mm SATA HDD
- SATA 1000G (500Gx2), Support 5400 RPM

Optical Storage Device
- 5.25" **SATA** ODD
- Blu-Ray Combo

LAN
- On board 10/100/**1000** Mbps Fast Ethernet controller
- Support Wake-On-LAN on S4 AC-In Mode only

Network Connectivity
- **Intel Wifi Link 5100 802.11agn WLAN**
- Bluetooth V2.1 + EDR Module

LED Status Indicator

Front:
- Power on/Suspend
- Battery Full /Charging/Low
- Wireless enabling

Left: (top to bottom)
- Cap. Lock
- Num Lock
- Storage Access
- Email
- Touchpad lock

Gaming LED support (control by Direct Console 2.0)
- Left side LED bar on LCD cover
- Right side LED bar on LCD cover
- lower side LED bar on LCD cover
- Gaming logo on LCD cover
- Speaker LED

Keyboard
- 340mm keyboard with Ten-keys and MS Windows
- 19 mm full size, with MS-Windows Vista function keys
- 2.5mm travel
- Gaming KBD printing supported

Interface
- 1x VGA port/Mini D-sub 15-pin for external monitor
- 4x USB 2.0 ports
- 3 Audio jack: Audio out/SPDIF/Mic-in
- 1x LAN RJ-45
- 1x 1394 Type jack
- 1x HDMI
- 1x CIR for remote control
- 1x E-SATA port
- Wireless/BT Switch

Video Camera
- Fixed type camera design
- 2.0M Pixels Video Camera with LED

Touch Pad
- Built-in Touch pad pointing device
- 2 click buttons

Audio
- Built-in Stereo Speakers(1.5W) and microphone S/W Volume up/down
- **DSP supported**
- Built-in 4 speakers and mono/array microphone
- Built-in one Sub-woffer
- Support Dolby Home Theater

Hot Keys
- Instant launch Keys (from right to left) 5 buttons
  - Power on/off
  - Touch pad on/off
  - Power4 Gear eXtreme
  - Express Gate
  - Direct Console
- Function Keys
  - Fn+F1 Suspend switch
  - Fn+F2 Wireless/ Bluetooth switch
  - Fn+F3 Email in
  - Fn+F4 Internet
  - Fn+F5 Brightness down
  - Fn+F6 Brightness up
  - Fn+F7 LCD On/Off
  - Fn+F8 LCD/CRT/TV display switch
  - Fn+F9 Touchpad On/Off
  - Fn+F10 Mute
  - Fn+F11 Volume down
  - Fn+F12 Volume up
  - Fn+Num Lk Scroll Lock on/off
  - Fn+Space Power 4 Gear eXtreme
  - Fn+C Splendid
  - Fn + V Life Frame
  - Fn+T Power4Phone
  - Fn+↑ Stop
  - Fn+↓ Play/Pause

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- ◆ Fn+ ← Previous section / Previous Track
- ◆ Fn+ → Next section / Next Track

Power Management
- Full feature ACPI 2.0 power management, Stand-by, Suspend to Disk, and Suspend to RAM
- MDP 2003 compatible

Battery Pack & Life
- Main: Li-Ion 8 cells: 5200mAh, 4S2P
- Built-in gauge IC
- Charging time, 2 hrs Quick charge 90% (Power off) / 4hrs (Power on)
- Battery low-low enters Save-To-Disk mode

AC adapter
- Output : 19V DC, 6.32A,120W
- Input : 100~240V AC, 50/60Hz universal
- 3 pin compact power supply system

Pointing Device
- Built-in Touchpad
- Two click buttons with scroll area

Heat Dissipation
- ADTD (Developed by Asus) to handle **45W** CPU thermal envelope
- **35W** VGA with 512M VRAM thermal envelope
- High-exchange efficiency copper molding heat sink with heat-pipes
- Temperature-controlled multi rotating speed cooling fan to prevent noise with "Flux Tunnel Routing"
- Support CPU @ 65% TDP operation

Dimensions/ Weight
- 410.5x299.5x45~55.5mm
- 3.85 kg (W/single HDD, 8 cell battery)

Security
- BIOS setup, Power-on, HDD User Password Protection
- I/O lock (BIOS setup)
- Kensington Lock hole

Casing
- Plastic A/B/C/D parts (slim, lightweight and durability)

Keyboard Language
- US, TWN before M/P
- France, GR CR,DN,CZ, IT, BL, NW, PO, SF, SP, SW, SC, FR, RU ,UK Spain, TUR, AR when M/P

Additional Spec

S/W Utility

Asus Built or modified for Win Vista
- ASUS WinFlash
- ASUS Live Update
- ASUS Power4 Gear eXtreme
- ASUS NB Probe
- ASUS Net4 Switch
- ASUS Wireless Console 2
- ASUS LifeFrame3
- Virtual Camera
- ASUS MultiFrame
- ASUS Splendid
- ASUS Power For Phone
- ASUS Smart Logon
- ASUS CopyProtect
- ASUS Data Security Manager
- ASUS ChkMail.
- ASUS Direct Console 2
- Express Gate

Shipment bundle S/W:
- Norton Internet Security 2008
- Adobe Acrobat Reader 8.0
- Power2Go CD
- NERO 8 for BD SKU
- WinDVD for BD SKU

Regulation
- EMI: USA(FCC-B), TWN, CCC,C-tick, CCIB, IDA
- Safety: CE, CB, cUL, CCC
- Wireless RF Certification: TWN, CHN, FCC, European, Telec
- **TWN**

Windows Certification
- Compatibility: DTM (Window Vista), WinKey,
- Language: US Int'l, JAP, TWN
- Supported OS: **Windows Vista**
- **Windows Vista Ultimate**
- Driver support

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